

## Message Text

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ACTION OES-04

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E.O. 11652 N/A

TAGS: TGEN, UR

SUBJ: S&T AGREEMENT: FOURTH JOINT COMMISSION MEETING

REF: STATE 239321, OCT 31, 1974

1. SUMMARY: FOURTH ANNUAL MEETING OF US-USSR JOINT COMMISSION ON SCIENTIFIC AND TECHNICAL COOPERATION (JC) HELD IN MOSCOW OCT. 2-3, WAS,

LIKE ITS PREDECESSORS, AND AMICABLE AND BUSINESS-LIKE AFFAIR. ALEKSEI

N. KOSYGIN, CHAIRMAN, USSR COUNCIL OF MINISTERS, RECEIVED HEAD OF US DELEGATION, H. GUYFORD STEVER, PRESIDENT'S SCIENCE ADVISOR. AT MEETING, US PRESENTED TRADITIONAL OVER-ALL REVIEW OF BILATERAL S&T RELATIONS, SUMMARIZING ACCOMPLISHMENTS BUT ALSO OUTLINING DIFFICULTIES.

COMMISSION APPROVED TWO PROJECTS IN APPLICATION OF COMPUTERS TO MANAGEMENT, AND INCREASE IN ACTIVITY OF LONG-TERM CHEMICAL CATALYSIS RESEARCHERS, AND A STATEMENT ON COPYRIGHTS. SOVIETS ARE READY TO MOVE AHEAD ON SOLID-STATE PHYSICS BUT NOT ON RELATIVISTIC ASTRO-PHYSICS. END SUMMARY.

2. SOVIET JC CHAIRMAN, V.A. KIRILLIN, HEAD OF STATE COMMITTEE

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ON S&T, ADHERED TO FAST-MOVING SCHEDULE IN ORDER TO WIND UP JC

BUSINESS BEFORE SOVIET ACADEMY OF SCIENCES 250TH ANNIVERSARY CELEBRATIONS BEGAN. EFFICIENCY WAS GREATLY FACILITATED BY THROUGH PREPARATIONS, INCLUDING ADVANCE MEETING OF EXECUTIVE SECRETARIES.

3. US OVERVIEW DESCRIBED ACCOMPLISHMENTS UNDER THE OTHER TEN BILATERAL AGREEMENTS ON COOPERATION IN VARIOUS FIELDS OF SCIENCE AND TECHNOLOGY, NOTABLY APOLLO-SOYUZ. PRESENTATION ALSO DESCRIBED IN SOME DETAIL PROBLEMS TO BE OVERCOME AND, IN PARTICULAR, MADE CLEAR US UNHAPPINESS WITH SOVIET UNWILLINGNESS TO RECEIVE US GEOTHERMAL EXPERTS IN KAMCHATKA.

4. MOST SIGNIFICANT JC ACTIONS WERE APPROVAL OF: A) TWO PROJECTS IN APPLICATION OF COMPUTERS TO MANAGEMENT (THEORETICAL FOUNDATION FOR SOFTWARE AND COMPUTER AIDED REFINEMENT OF DECISION-MAKING); B) INCREASE IN ACTIVITY OF CHEMICAL CATALYSIS LONG-TERM (3 TO 6 MONTHS) RESEARCH FELLOW EXCHANGEES TO 90 MAN-MONTHS PER YEAR IN EACH DIRECTION; AND C) STATEMENTS ON MATERIALS SUBJECT TO COPYRIGHT AND ON PROCUDURES FOR RESOLVING DISAGREEMENTS WITHIN WORKING GROUPS CONCERNING INTELLECTUAL PROPERTY (JC INSTRUCTED WORKING GROUP TO NEGOTIATE STATEMENT CONCERNING HOW RIGHTS TO INVENTIONS ARE TO BE ASSIGNED AND HOW INFORMATION CONCERNING INVENTIONS IS TO BE DISSEMINATED).

5. STEVER HAD EMPHASIZED TO KIRILLIN PRIVATELY THE US VIEW THAT COOPERATION IN PHYSICS SHOULD BE MORE EXTENSIVE THAN OCCASIONAL SYMPOSIA, WHICH SOVIET ACADEMY HAD SUGGESTED AS ONLY MEANS OF COOPERATION. ANISIMOV SAID AT JC MEETING WE DON'T NEED ADDITIONAL FACILITIES (A REFERENCE PERHAPS TO IDEA OF JOINT PHYSICS INSTITUTE, WHICH HAD BEEN NOTED WITH APPROVAL AT SECOND JC MEETING BUT NOT MENTIONED AT THIRD). HOWEVER, HE WENT BEYOND CONCEPT OF BRIEF SYMPOSIA BY SAYING THAT TIME PERIOD FOR SEMINARS SHOULD BE EXTENDED TO ASSURE ADEQUATE OPPORTUNITY FOR JOINT RESEARCH. (KULAKOV FROM SOVIET ACADEMY LATER INTERPRETED THIS REMARK AS THREE TO FOUR WEEKS). KIRILLIN SAID AT PRESS CONFERENCE PHYSICS WAS, TO HIS MIND AT LEEAST, ONE OF MORE IMPORTNANT AND PRIMISING AREAS OF COOPERATION. THIRD JC MEETING ASKED TWO ACADEMIES TO CARRY OUT JOINT WORK ON THEORETICAL RELATIVISTIC ASTROPHYSICS AS WELL AS SOLID STATE THEORY. ANISIMOV STATEMENT WAS SILENT ON ASTROPHYSICS. ALTHOUGH US RESPONSE DID LIMITED OFFICIAL USE

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REFER TO THIS TOPIC, SOVIETS REFUSED TO MENTION IT IN RECORD OF MEETING, EXPLAINING SOVIET ACADEMY WAS NOT PREPARED TO DO ANYTHING ON THAT SUBJECT NOW. ANISIMOV PRESENTATION RECOMMENDED THREE TOPICS: SUPERCONDUCTIVITY OF ONE-DIMENSIONAL SYSTEMS, PROPERTIES OF SOLID HYDORGEN, AND SUPERFLUIDITY OF HELIUM 3. HE SAID THIS LIST DOES NOT EXHAUST POSSIBILITIES.

6. IN MICROBIOLOGY, KIRILLIN RESPONDED TO STEVER'S PRIVATE

OBSERVATION THAT WE FEEL WE ARE OWED A VISIT TO ONE OR TWO SINGLE-CELL PROTEIN PLANTS IN THE USSR BY REFERRING TO PATENT PROBLEMS ON BOTH SIDES; BUT HE PRIMISED A SOVIET PROPOSAL IN NEAR FUTURE ON "WHAT OUGHT TO BE DONE". US HAD EXPECTED TO RECORD AGREEMENT TO ELIMINATE AN ENZYME SUBTOPIC ON PRODUCTION OF FERMENTABLE SUGARS FROM STARCH. A FEW HOURS BEFORE SIGNING CEREMONY, SOVIETS PROPOSED WORDING FOR RECORD TO RECOMMEND EXPANSION OF THIS SUBTOPIC TO READ "DEVELOPMENT OF PRODUCTION TECHNOLOGY FOR A NUMBER OF PRODUCTS, INCLUDING SUGAR FROM CORN STARCH, BY MEANS OF IMMOBILIZED ENZYMES," ALLEGING THAT US WORKING GROUP CHAIRMAN HAD AGREED TO THIS. SUCH WAS NO THE CASE. CONSEQUENTLY, RECORD AS AGREED DOES NOT MENTION THIS SUBJECT.

7. STEVER POINTED OUT PRIVATELY TO KIRILLIN ABRUPT CHANGES IN PLANS COULD LEAD US PARTICIPANTS FROM PRIVATE SECTOR TO LOSE INTEREST, CITING RECENT LAST-MINUTE CANCELLATION OF ECONOMETRIC MODELLING MEETING IN USSR. KIRILLIN SAID HE WOULD INSTRUCT SOVIET CHARIMAN OF APPLICATION OF COMPUTERS WORKING GROUP TO REACH AGREEMENT ON DATES AND THEN NOT TO CHANGE. JC LATER SUGGESTED TO ALL WORKING GROUPS THAT THEY DO NOT CHANGE DATES WITHOUT ADEQUATE NOTICE.

8. IN AREA OF SCIENCE POLICY, STEVER PRIVATELY INFORMED KIRILLIN PROJECT ON FINANCING RESEARCH AND DEVELOPMENT WAS STALLED WAITING FOR SOVIET REACTION TO SETTING DATE FOR PRE-PARATORY MEETING, AND MANPOWER UTILIZATION WORK WAS STALLED WAITING FOR SOVIE DATA. KIRILLIN RESPONDED THAT SOVIET LEADER FOR FINANCING R&D PROJECT (GRISHAYEV) HAD RECENTLY DIED AND MANPOWER UTILIZATION DATA HAD BEEN SENT TO US (SKLYROV HANDED DATA TO BECKLER AT MEETING.)

9. SOVIET EXECUTIVE SECRETARY ASKED DURING STEVER-KIRILLIN LIMITED OFFICIAL USE

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PRIVATE MEETING IF THERE WAS POSSIBILITY OF US AGREEMENT TO SOVIET SUGGESTION AT THIRD JC MEETING FOR COOPERATION IN DEVELOPMENT AND UTILIZATION OF SCIENTIFIC INSTRUMENTS. STEVER SAID MATTER STILL BEING CONSIDERED. IN ANSWER TO US QUESTION, KIRILLIN SAID SOVIE INTEREST WAS HIGH. KIRILLIN SUMMARIZED CONVERSATION BY NOTING EXPECTATION OF EVENTUAL US REPLY. RECORD OF FOURTH JC MEETING IS SILENT ON THIS SUBJECT. US SIDE SUBSEQUENTLY INFORMED SOVIET EXECUTIVE SECRETARY PRIVATELY THAT US RESPONSE WOULD HAVE TO BE NEGATIVE IN ABSENCE FURTHER INFORMATION FROM SOVIETS TO SUPPORT FINDING THAT COOPERATION WOULD BE MUTUALLY BENEFICIAL. SOVIET EXECUTIVE SECRETARY THEREUPON ASKED THAT WE NOT RESPOND TO SOVIET PROPOSAL UNTIL WE HEAR FUTHER FROM THEM.

10. AT LARGELY UNEVENTFUL PRESS CONFERENCE FOLLOWING CEREMONIAL

SIGNING OF RECORD, KIRILLIN REFERRED TO OPPOTRUNITIES TO BROADEN AND DEEPEN COOPERATION AND STEVER SAID COOPERATIVE PROJECTS ARE SELECTED FOR AREAS WHERE THERE IS GOOD REASON TO EXPECT THAT BOTH SIDES WILL BENEFIT.

11. BETWEEN MEETING AND CEREMONY FOR SIGNING RECORD, FIVE US MEMBERS OF JC WERE BRIEFED AT INSTITUTE OF HIGH TEMPERATURES ON RECENT SUCCESSFUL INITIATION OF JOINT EXPERIMENTS USING SOVIET UO2 MAGNETOHYDRODYNAMICS GENERATOR. FUSFELD OF USDEL MET WITH GVISHIANI AT STATE COMMITTEE ON S&T TO DISCUSS SOVIET IDEA FOR JOINT CONFERENCE ON R&D MANAGEMENT WITH US INDUSTRY PARTICIPATION. EXTENSIVE US EFFORTS TO ARRANGE VISIT TO SCIENTIFIC RESEARCH CENTER FOR ELECTRONIC COMPUTER TECHNOLOGY ELIECITED RESPONSE VISIT WOULD NOT BE POSSIBLE "AT THIS TIME." ONE US WORKING GROUP CHAIRMAN (AUFENKAMP) VISITED EXERIMENTAL RESEARCH INSTITUTE OF METAL-CUTTING LATHES. STOESSEL

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